

What Is Claimed Is:

1. A method for manufacturing imitation pearl beads, the method comprising the steps of:

pouring a designated amount of urea resin powder on a lower mold, and
5 ascending the lower mold by a first ascending space (h1) at a high speed, wherein an upper mold is fixed and the lower mold translates vertically by means of a piston of an air cylinder;

when the lower mold is in contact with the upper mold as a pin block slowly ascends from a second ascending space (h2), performing a primary molding process,
10 inserting a pin stuck in the pin block into a semicircular recess formed in each of the upper and lower molds, and perforating a hole in the bead;

descending the lower mold by a gas exhaust space (h3), and exhausting toxic gas generated during the primary molding process;

ascending the lower mold again, and performing a secondary molding process;
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descending the lower mold until the lower mold touches a base, and descending the pin block until the pin of the pin block comes out of the secondly molded bead.

2. The method according to claim 1, wherein an ascending speed of the lower
20 mold within the first ascending space (h1) ranges 10 – 30 cm/sec.

3. The method according to claim 1, wherein an ascending speed of the lower mold within the second ascending space (h2) ranges 5 – 10cm/sec.

25 4. The method according to claim 1, wherein the ascending speed of the lower

mold is variable.

5 5. The method according to claim 1, wherein the lower mold is descended by the gas exhaust space (h3), in order to remove toxic gas generated from the primary bead molding process.

6. The method according to claim 1, wherein the gas exhaust space (h3) ranges 5 – 30mm.

10 7. An apparatus for manufacturing imitation pearl beads, the apparatus comprising:

an upper mold fixed at the upper portion of a body of the apparatus;

a base fixed at the central portion of the body and having a pin block entrance;

15 a lower mold disposed on the base, and being opposed from the upper mold by a designated space to move upward or downward;

semicircular molding recesses formed on the upper and lower molds, respectively;

a pin block for holding pins that pass through pin holes formed in the recess of the lower mold; and

20 a cylinder having a piston for replacing the pin block.

8. The apparatus according to claim 7, wherein the upper mold is fixed and the lower mold translates vertically.

25 9. The apparatus according to claim 7, wherein to perforate the bead, the pin

stuck in the pin block is inserted into the pinhole that is perforated on the semicircular bead molding recess of the lower mold.

10. The apparatus according to claim 7, wherein an ascending speed of the
5 piston is variable.

11. The apparatus according to claim 7, wherein after a primary molding process, the lower mold being in contact with the upper mold descends by a designated space and toxic gas is exhausted.

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